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COMMUNICATION EQUIPMENT

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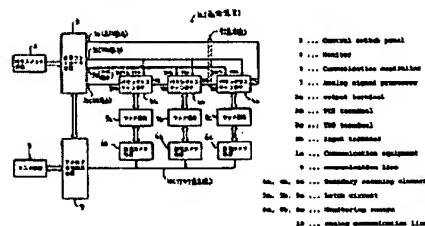
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Abstract of WO9855925

Communication equipment composed of a plurality of boundary cells respectively assigned to input terminals and output terminals; a TAP circuit which controls the data input to and output from the boundary cells; a plurality of boundary scanning elements provided with TDI terminals for inputting serial data to be given to the boundary cells, TDO terminals for outputting the data from the boundary cells as serial data, TCK terminals for inputting clock signals, and TMS terminals for inputting mode signals for switching the operational mode of the TAP circuit; a plurality of terminals having ICs which are respectively connected to or incorporated with the boundary scanning elements; and a communication controller to which the boundary scanning elements are connected in series and transmits and receives control data for individually controlling the terminals through the boundary scanning elements. The communication equipment is characterized by being provided with a data communication line to which the terminals are connected in parallel and through which the output data of the terminals are sent to the communication controller.



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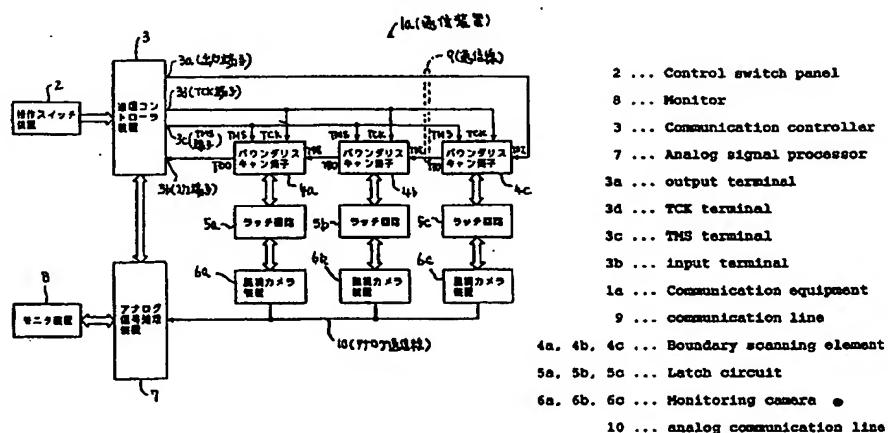
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(57) Abstract

Communication equipment composed of a plurality of boundary cells respectively assigned to input terminals and output terminals; a TAP circuit which controls the data input to and output from the boundary cells; a plurality of boundary scanning elements provided with TDI terminals for inputting serial data to be given to the boundary cells, TDO terminals for outputting the data from the boundary cells as serial data, TCK terminals for inputting clock signals, and TMS terminals for inputting mode signals for switching the operational mode of the TAP circuit; a plurality of terminals having ICs which are respectively connected to or incorporated with the boundary scanning elements; and a communication controller to which the boundary scanning elements are connected in series and transmits and receives control data for individually controlling the terminals through the boundary scanning elements. The communication equipment is characterized by being provided with a data communication line to which the terminals are connected in parallel and through which the output data of the terminals are sent to the communication controller.